

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process for the oligomerization of α -olefins having at least three carbon atoms, in which the olefin is brought into contact with a catalyst system obtainable from

- a) at least one chromium source[$[\cdot]$];
- b) at least one ligand of the formula I



where R^1 to R^3 are each, independently of one another, C_4 - C_{30} -alkyl which has no α , β or γ branching,

$[[R^A]]$ $\underline{R^A}$ is an organic group having from 1 to 30 carbon atoms which is bound via a silicon atom or a carbon atom, and

p is from 0 to 6[$[\cdot]$]; and

- c) at least one activator comprising a boron compound, with the molar ratio of B:Cr being at least 5.

Claim 2 (Currently Amended): $[[A]]$ The process as claimed in claim 1, wherein the activator further comprises an alkylaluminum compound.

Claim 3 (Currently Amended): ~~[[A]]~~ The process as claimed in claim 2, wherein the activator comprises a trialkylaluminum and an alkylaluminum halide.

Claim 4 (Currently Amended): ~~[[A]]~~ The process as claimed in claim 1, wherein the ligand of formula I is 1,3,5-tri-n-dodecyl-1,3,5-triazacyclohexane ~~is used as ligand.~~

Claim 5 (Currently Amended): ~~[[A]]~~ The process as claimed in claim 1, wherein the boron compound has the formula BZ_3 and/or $Cat^+ BZ_4^-$, where Z is an electron-withdrawing radical and Cat^+ is a cation.

Claim 6 (Currently Amended): ~~[[A]]~~ The process as claimed in claim 5, wherein the boron compound is selected from the group consisting of trispentafluorophenylborane, N,N-dimethylanilinium tetrakis(pentafluorophenyl)borate, tri-n-butylammonium tetrakis(pentafluorophenyl)borate, N,N-dimethylanilinium tetrakis(3,5-bis(pentafluoromethyl)phenyl)borate, tri-n-butylammonium tetrakis(3,5-bis(pentafluoromethyl)phenyl)borate, and tritylium tetrakis(pentafluorophenyl)borate, and mixtures thereof.

Claim 7 (Currently Amended): ~~[[A]]~~ The process as claimed in claim 1, wherein the olefin is 1-butene ~~is used as olefin.~~

Claim 8 (New): The process as claimed in claim 1, wherein the chromium source is selected from the group consisting of chromium(II) compounds, chromium(III) compounds, and mixtures thereof.

Claim 9 (New): The process as claimed in claim 1, wherein the chromium source is CrCl_3 .

Claim 10 (New): The process as claimed in claim 2, wherein the alkylaluminum compound is selected from the group consisting of trimethylaluminum, triethylaluminum, tri-n-propylaluminum, triisopropylaluminum, tri-n-butylaluminum, triisobutylaluminum, diethylaluminum chloride, diethylaluminum bromide, diethylaluminum ethoxide, diethylaluminum phenoxide, and ethylaluminum ethoxide fluoride.

Claim 11 (New): The process as claimed in claim 3, wherein the trialkylaluminum is selected from the group consisting of trimethylaluminum, triethylaluminum, tri-n-propylaluminum, triisopropylaluminum, tri-n-butylaluminum, and triisobutylaluminum.

Claim 12 (New): The process as claimed in claim 3, wherein the alkylaluminum halide is selected from the group consisting of diethylaluminum chloride, ethylaluminum dichloride, and diethylaluminum bromide.

Claim 13 (New): The process as claimed in claim 3, wherein a molar ratio of the trialkylaluminum to the alkylaluminum halide is 1-50:1.

Claim 14 (New): The process as claimed in claim 3, wherein a molar ratio of the trialkylaluminum to the alkylaluminum halide is 3-20:1.

Claim 15 (New): The process as claimed in claim 2, wherein a molar ratio of the chromium source to the alkylaluminum compound ranges from 1:1 to 1:200.

Claim 16 (New): The process as claimed in claim 2, wherein a molar ratio of the chromium source to the alkylaluminum compound ranges from 1:5 to 1:100.

Claim 17 (New): The process as claimed in claim 1, wherein the oligomerization is performed at a temperature ranging from 0 to 120°C, and at a pressure ranging from ambient pressure to 120°C.

Claim 18 (New): The process as claimed in claim 17, wherein the temperature ranges from 25 to 110°C.

Claim 19 (New): The process as claimed in claim 1, wherein the oligomerization is performed under a protective gas.

Claim 20 (New): The process as claimed in claim 19, wherein the protective gas is selected from the group consisting of nitrogen and argon.